DOE ENERGY STORAGE SYSTEMS RESEARCH ANNUAL PEER REVIEW AGENDA

November 19-20, 2002 Jurys Washington Hotel 1500 New Hampshire Avenue, NW Washington, DC 20036

<u>Tuesday, November 19, 2002</u> – Burlington Ballroom, 1st Floor

7:45 AM	Continental Breakfast
8:30	Welcome and Overview – Dr. Imre Gyuk, U.S. Department of Energy
8:40	DOE Perspective – William Parks, U.S. Department of Energy
9:00	CEC Perspective – Terry Surles, California Energy Commission
9:20	ESS Program Overview – John Boyes, Sandia National Laboratories
9:40	Study of Second Use of EV Batteries in Stationary Applications – Irwin Weinstock, Sentech, Inc.
10:00	Short vs. Long Term Energy Storage Applications & Technologies Analysis – Susan Schoenung, Longitude 122 West, Inc.
10:20	Large Scale System Monitoring of Regenesys & NAS Battery Systems – John Boyes, Sandia National Laboratories
10:40	Break
11:00	Integration and Testing of Energy Storage with FACTS Devices – Dr. Mariesa Crow, University of Missouri-Rolla
11:20	ETO Switch Development of Power Conditioning System – Dr. Alex Huang, Center for Power Electronics Systems, Virginia Tech
11:40	ETO Switch Testing – Patrick McGinnis, P.E., Naval Surface Warfare Center, Carderock Division
12:00	Lunch on your own

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1:00 PM	PV/Hybrid Systems Field Test Monitoring at STAR Test Facility – Robert Hammond, Arizona State University - East
1:20	Alternative Renewable Generation System Designs to Improve Battery Performance - Dr. Phil Symons, EECI, Inc.
1:40	Alaska Battery/Diesel Hybrid System – Dennis Meiners, Alaska Energy Authority, University of Alaska – Fairbanks
2:00	Break
2:20	Zinc Bromine Utility Site Tests – Greg Nelson, ZBB Energy Corporation
2:40	Li Ion Battery Energy Storage System (BES) – Dr. Salah Oweis, SAFT America, Inc.
3:00	Evaluating Bulk Energy Storage to Relieve Transmission Congestion on the Island of Hawaii (Hawaii SEP Project) – Jon Hurwitch, Sentech, Inc.
3:20	PV-Battery System for Transmission Management (Illinois SEP Project) - Dr. Mohammad Shahidehpour, Illinois Institute of Technology
3:40	Break
4:00 - 5:30	Electricity Storage Association Mini Meeting: ELECTRICITY STORAGE AND CONFIDENCE IN YOUR POWER SUPPLY - Keynote address by Rust Patel of Xenergy
5:30 - 7:00	Reception hosted by ESA – Westbury Room, 1st Floor
Wednesday,	November 20, 2002 – Burlington Ballroom, 1 st Floor
7:45 AM	Continental Breakfast
8:30	Development of a Bipolar Nickel Metal Hybrid Battery – Mike Eskra, Electro Energy, Inc.
8:50	Super Conducting Flywheel Development – Art Day, Boeing Phantom Works
9:10	Improved Flywheel Rotor, Design and Testing – Dr. Robert Bartlett, AFS Trinity Power Corporation
9:30	Testing of Super Capacitors for Model Validation – Dr. Satish Ranade, New Mexico State University
9:50	Testing of Super Capacitors – Tom Hund, Sandia National Laboratories

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10:10	Break
10:30	Optically Isolated High Voltage IGBT Inverter – Paul Duncan, Airak, Inc.
10:50	Nanostructured Electrodes for High Rate Energy Storage Devices – Dr. Amit Singhal, Nanopowder Technologies
11:10	Development of Intelligent Power Conditioning System for Renewable Generation Systems – Robert Wills, Intergrid Consulting
11:30	Inverter Development & Reliability Improvement – Russ Bonn, Sandia National Laboratories
11:50	Lunch on your own
1:00 PM	I-GRID Power Quality Monitoring Project and the Value of Power Quality – Joe Eto, Lawrence Berkeley National Laboratory
1:20	Vernon & Metlakatla VRLA Battery Monitoring – George Hunt, GNB Industrial Power, Division of Exide Technologies
1:40	Modeling of Lead Acid Batteries – Bor Yann Liaw, University of Hawaii
2:00	Status Report on the Peru Remote Area Power Systems Tests – Jerry Cole, International Lead Zinc Research Organization, Inc. (ILZRO)
2:20	Break
2:40	DER/Battery System Simulator Results – Ndeye Fall, Energetics, Inc.
3:00	Business Strategies for Innovative Storage Market Opportunities – Joe Iannucci, Distributed Utility Associates
3:20	Conclusions – Dr. Imre Gyuk, U.S. Department of Energy

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